

#### ABSTRACT OF THE DISCLOSURE

A gray scale scanning method and system. Three groups of gamma table data are downloaded into a color scanner. Each group of gamma tables includes a plurality of index addresses and each index address corresponds to a storage space. During 5 downloading, the gray scale pixels are scanned to obtain corresponding digital data. The digital data includes the brightness value of the three primary colors belonging to each gray scale pixel. The brightness value of the three primary colors and corresponding index address of the three groups of gamma tables are compared to obtain an index address identical to the three primary color brightness values of the gray scale pixels. According to the three index addresses, color space conversion values belonging to the gray scale pixels are obtained. The values are transferred to the host for conducting two add operations so that the gray scale brightness values of the gray scale pixels are found.